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S. [US/US]; 26 Lawrence Street, Wilmington, MA 01887 (US). **MACADAM, David, P.** [US/US]; 5 Cyndy Lane, Millbury, MA 01527 (US). **KUONG, Darany** [US/US]; 19 B Street, Lowell, MA 01851 (US).

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(74) Agent: **MORRIS, James, H.**; Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210 (US).

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(71) Applicant (*for all designated States except US*): **C.R. BARD, INC.** [US/US]; 730 Central Avenue, Murray Hill, NJ 07974 (US).

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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **FALWELL, Gary,**

(54) Title: **IMPROVED ELECTROPHYSIOLOGY LOOP CATHETER**

(57) Abstract: An electrophysiology catheter including control, localization, and/or fluid delivery features, and methods of using the same. One embodiment of the invention is directed to an electrophysiology catheter including a superelastic wire and a cable, and a method of controlling the catheter using the cable. Another embodiment is directed to an electrophysiology catheter including an adhesive to bias the orientation of the catheter. A further embodiment is directed to an electrophysiology catheter including adhesive and one or more cables, and a method of controlling the catheter using the one or more cables. Another embodiment is directed to a method including acts of injecting a fluid into the heart of a patient and adjusting the diameter of an arcuate curve of the catheter. Further embodiments are directed to a catheter having multiple position sensors on an arcuate curve of the catheter, or a position sensor associated with a movable electrode of the catheter.

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